

505, 266

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
4 September 2003 (04.09.2003)

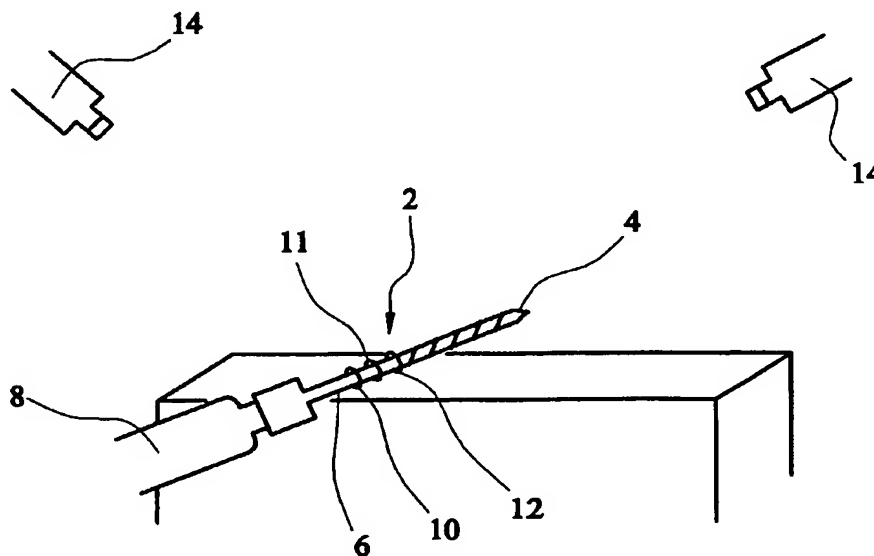
PCT

(10) International Publication Number
WO 03/071969 A1

- (51) International Patent Classification⁷: **A61B 19/00**, 17/16 (74) Agent: **BELCHER, Simon, James**; Urquhart-Dykes & Lord, Tower House, Merrion Way, Leeds LS2 8PA (GB).
- (21) International Application Number: PCT/GB03/00822 (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 26 February 2003 (26.02.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
0204549.0 27 February 2002 (27.02.2002) GB
- (71) Applicant (*for all designated States except US*): **DEPUY INTERNATIONAL LIMITED** [GB/GB]; St. Anthony's Road, Beeston, Leeds LS11 8DT (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **REVIE, Ian** [GB/GB]; Tutt House, New Row, Boroughbridge YO51 9AX (GB). **SLOMCZYKOWSKI, Michal** [GB/GB]; 7 Templar Gardens, Wetherby LS22 7TG (GB).
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report

[Continued on next page]

(54) Title: A SURGICAL INSTRUMENT SYSTEM



(57) Abstract: A surgical instrument system includes a tool (2) including an elongate shaft which defines the tool axis. The shaft bears a plurality of marker rings (10, 11, 12) arranged in a predetermined pattern on the surface of the shaft so that they extend around the shaft axis, the marker rings identifying the tool. The system includes a device (14) for receiving signals from the rings, and a data processor (16) for analysing the signal from the rings and generating information relating to the identity of the tool.



WO 03/071969 A1